IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

nare Patent Application of:

de mon et al.

Application No.: 09/956,004

Filed: September 20, 2001

For: Nucleotide Sequence of Escherichia coli

Pathogenicity Islands

Group Art Unit: 1631

Examiner: Ly, C.

Atty. Docket No. PB324D1

4/10/03

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents Washington, D.C. 20231

Sir:

In accordance with the duty of disclosure imposed by 37 C.F.R. § 1.56 to inform the Patent and Trademark Office of all references coming to the attention of each individual associated with the filing or prosecution of the subject application, which are or may be material to the patentability of a claim of the subject application, Attorney for Applicants hereby directs the Examiner's attention to references A-D listed on the attached Form PTO/SB/08. Copies of the references are enclosed.

The listed references are presented so that the Patent and Trademark Office can determine any materiality thereof to the claimed invention. See 37 C.F.R. § 1.104(a) concerning the Examiner's duty to consider and use any such information. Applicants respectfully request that the Examiner make the listed references of record in the file history of the application, and consider the information contained therein during the prosecution of this application.

Identification of the listed references is not to be construed an admission of any individual associated with the filing or prosecution of the subject application that such references are available as "prior art" against the subject application. Furthermore, Applicants do not waive any rights to take appropriate action to establish patentability over any of the listed documents should they be applied as references against the claims of the subject application.

Pursuant to 37 C.F.R. § 1.97(c), because this Information Disclosure Statement is being submitted after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Office Action, or a Notice of Allowance under 37 C.F.R. § 1.311, or an action that otherwise closes prosecution, the Patent and Trademark Office will consider this Information Disclosure Statement if it is accompanied by the fee as specified in 37 C.F.R. § 1.17(p).

Accordingly, the Patent & Trademark Office is hereby authorized to charge our Deposit Account No. 08-3425 in the amount of \$180.00 as payment of the required fee, as itemized on the Fee Transmittal Sheet submitted concurrently herewith. The Patent & Trademark Office is also authorized to charge any additional required fee or credit any overpayment in connection with this submission to our Deposit Account No. 08-3425.

Respectfully submitted,

Dated: April 2, 2003

Kenley K. Hoover (Reg. No. 40,302)

Attorney for Applicants

Human Genome Sciences, Inc.

9410 Key West Avenue Rockville, MD 20850

Telephone: (301) 610-5771 Facsimile: (301) 309-8439

KKH/MJH/LJH/rmr/ba